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(54) FOAMED TUBULAR FILM, ITS PRODUCTION, AND PACKAGING BAG

(57)Abstract:

PURPOSE: To prepare a foamed tubular film excellent in strengths, penetration resistance, elongation, etc., by molding a resin compsn. comprising specific polymers and a chemical blowing agent under specified conditions.

CONSTITUTION: This foamed tubular film is produced by supplying a resin compsn. comprising a long-chain branched low-density ethylene polymer obtd. by high-pressure free-radical polymn. and having a density of 0.917-0.925g/ml and a melt index (MI) of 0.1-5g/10min, an ethylene-vinyl acetate copolymer obtd. by high-pressure free-radical polymn. and having a vinyl acetate content of 5-25wt.%, a density of 0.930-0.950g/ml, and an MI of 0.5-5g/10min, a long- chain low-density ethylene- α -olefin copolymer having a density of 0.915-0.930g/ml and an MI of 0.3-3g/10min, and a chemical blowing agent decomposing at 130-190°C to an extruder, melt kneading the compsn. at 170-190°C, extruding it through a circular slit die with a fixed width at 170-190°C, and inflating the extrudate by blowing air into the resultant tubular film while cooling it with air from an air ring and specifying the blow ratio, etc.

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